

19980914.ba v02_n215.bam.980914 v02_n216.bam.980914

>From ???@??? Tue Sep 15 03:23:36 1998
Message-Id: <199809141234.HAA14181@sco.theporch.com>
Date: Mon, 14 Sep 1998 07:34:24 CDT
Subject: BOATANCHORS digest 2215

BOATANCHORS Digest 2215

Topics covered in this issue include:

- 1) Mil Tube tester preferences (survey)
by WF2U <mbendror@villagenet.com>
- 2) Re: Can your rig measure up to 1929 gear?
by "Roberta J. Barmore" <rbarmore@indy.net>
- 3) Re: TV-7D tube tester a good one??
by William Donzelli <william@ans.net>
- 4) Re: Can your rig measure up to 1929 gear?
by Garey Barrell <k4oah@mindspring.com>
- 5) Can your rig measure up to 1929 gear?
by Brian.Harris@sv.sc.philips.com (Brian Harris)
- 6) WTD--RBB/RBC output meter
by Bob Login <jlogin@gville.mindspring.com>
- 7) RCA RBB/RBC Information WTD
by Bob Login <jlogin@gville.mindspring.com>
- 8) capacitor intrigue
by Brian.Harris@sv.sc.philips.com (Brian Harris)
- 9) Re: BA sites in San Antonio and Austin
by Paul Bernhardt <bern@ppdu.nrl.navy.mil>
- 10) Re: capacitor intrigue
by Morris Odell <morriso@vifp.monash.edu.au>
- 11) Re: 183D from Sams
by Jderm740@aol.com
- 12) Re: Can your rig measure up to 1929 gear?
by "William B. Ross" <billross@txdirect.net>
- 13) Re: capacitor intrigue
by "William B. Ross" <billross@txdirect.net>
- 14) Re: Q re Collins F 85 Z 5 filter
by John Kolb <jlkolb@cts.com>
- 15) new BAs
by Ralph Parker <rparker@istar.ca>
- 16) Re: Can your rig measure up to 1929 gear?
by Jerry Proc <jproc@idirect.com>
- 17) Re: Q re Collins F 85 Z 5 filter
by John Kolb <jlkolb@cts.com>
- 18) Re: capacitor intrigue
by Scott Robinson <spr@earthlink.net>
- 19) Re: capacitor intrigue

- by "Arden Allen" <gumbear@pacbell.net>
20) RE: Can your rig measure up to 1929 gear?
by "Jim Berry" <basalop@gte.net>
21) Radio Labs receiver
by Ron Hershey <rhershey@europa.com>
22) Brick on the key rigs
by John_A_King@res.raytheon.com
23) FCC COMPLETE DATA BASE
by Bill Riches <briches@bellatlantic.net>
24) Gear & Misc FS
by don merz <71333.144@compuserve.com>

Message-Id: <199809132314.TAA17989@vnet.villagenet.com>
Date: Sun, 13 Sep 1998 19:24:31 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: WF2U <mbendror@villagenet.com>
Subject: Mil Tube tester preferences (survey)
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Fellow Boatanchorites,

I have a question or rather an "opinion poll" to all who have experience with both the TV-7x and the I-177 military tube testers:

I've had a TV-7D for a while and today at the local hamfest I couldn't resist the charms (and the price) of a mint, MFP'd I-177B with the MX-949/U socket adaptor and all the documentation. My curiosity won't rest until I learn from experience and preferences (and perhaps the reason for those preferences) so I have to ask: Which one of these tube testers is the "weapon of choice" among us, military and commercial gear collectors/users?

It'd be interesting to read the opinions.

Thanks,

73's from†† Meir, WF2U

Collector and user of† vintage amateur and military radio equipment.
Collector and user of vintage horse/cavalry equipment. "Boots and Saddles!"

"Boatanchors forever!"

E-mail address: mbendror@villagenet.com

Date: Sun, 13 Sep 1998 18:36:12 -0500 (EST)
From: "Roberta J. Barmore" <rbarmore@indy.net>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Can your rig measure up to 1929 gear?
Message-ID: <Pine.SUN.3.96.980913182352.14015A-1000000@indy2>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi!

This is an interesting thread.

While what out 1929 writer is literally suggesting would have been a bad idea even then--leave the rig to perc while out watching a talkie? I don't think so!--there's a grain of truth to what he implies.

In 1929, what ham knew "duty cycle" from Tuesday? A lot of rigs were pretty marginal affairs, and don't hold that dah too long, please! So building the rig to operate reliably at 100% duty cycle made good sense; if it'll sit key-down for a couple of hours, you *know* it'll work well under normal operation!

As for commercial BAs, the Globe King, if memory serves, has been used in SWBC in the Carribean. One of RCA's larger ACT-series ham rigs was popular for broadcast remote-pickup use in the prewar and early-postwar days, back when that band was tucked between the top of AM BC band and bottom of 160 (along with a few police stations, though 9 meters was already heating up for squad cars). That would have involved very high duty cycles, as in the length of a sporting event, etc. I'd be willing to bet the big ham rigs built by Marine (revamped ship sets IMO) and probably the better Harveys would also be among the pre WWII sets that would stand the gaff; and the BC-610 and civilian counterpart are probably too obvious as candidates.

Heath? Hoo, boy, maybe the DX-100. But they built to price, and so did everyone else as the postwar years rolled by. I would not want to try the trick with most any rig made after '57 or so.

Ham rigs got smaller and lighter-built just as cars did; but I think ham gear went that way sooner and faster.

73,
--Bobbi

KB9GKX "RJ" rbarmore@indy.net Roberta J. (Bobbi) Barmore
FISTS #3388 * G-QRP #10001 * ARRL * RSGB * WIA
Appreciator Of Vacuum-Tube Ham Gear and Vintage Keys

Date: Sun, 13 Sep 1998 19:38:51 -0400 (EDT)
From: William Donzelli <william@ans.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: TV-7D tube tester a good one??
Message-Id: <Pine.GS0.3.96.980913193727.8430B-100000@titan.purch.ans.net>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> Yeah, but the metal 6H6 is so cute! Come to think of it, I have never seen
> a 6H6GT so it might also be cute...

If the radio can fit them, use a 6H6G - tiny elements in such a BIG bulb.
They tend to be quite rare - I have only ever seen two or three.

William Donzelli
william@ans.net

Message-Id: <3.0.1.32.19980913200053.006961a0@pop.mindspring.com>
Date: Sun, 13 Sep 1998 20:00:53 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Garey Barrell <k4oah@mindspring.com>
Subject: Re: Can your rig measure up to 1929 gear?
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

BA'ists

The Viking I and II have both been used in BC service.

73,

Garey - K40AH
k4oah@mindspring.com
Atlanta

Mime-Version: 1.0
Date: Sun, 13 Sep 1998 18:00:41 -0700
Message-ID: <0016303D.1914@svlima.sv.sc.philips.com>
From: Brian.Harris@sv.sc.philips.com (Brian Harris)
Subject: Can your rig measure up to 1929 gear?
To: Old Tube Radios <boatanchors@theporch.com>
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

3 hours....Is that all? I thought all AM transmissions are supposed to last *at least* 3-1/2 hours.

Brian

> When you come home three hours later, the set most probably won't be running. Something burnt up. Throw that something out and get another that will stand up to that treatment or else cut the input until your toy "something" can handle it. Any set that can't run half a day full tilt is hay-wire, somewhere..."

Message-Id: <199809140028.UAA10703@camel8.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 13 Sep 1998 20:19:55 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Bob Login <jlogin@gville.mindspring.com>
Subject: WTD--RBB/RBC output meter

Hi fellow BAers--I hve a RBC that I'm restoring and it has a broken output meter. This is abt 3" diameter Westinghouse meter marked in decibels--- rectifier type--- F.S. = 1.067V at 1000 cycles USN type CAY-22353
Style PH-6688-1 type BC-33 (if this means anything to anyone out there?). Would very much like to get a replacement or even one with a like movement? Please let me know if u hve something.....73's Bob, AA8A

Message-Id: <199809140052.UAA10178@camel8.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 13 Sep 1998 20:43:21 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Bob Login <jlogin@gville.mindspring.com>
Subject: RCA RBB/RBC Information WTD

Hi fellow BAers-- Over the last year I hve acquired 3 RBC & 2 RBB rx's. One pair were restored in the 50's by the Navy and appear to hve bn rebuilt with new looking resistors but NOS caps. The other radios are originals from the 40's. They require a bit of wk to get them up to snuf but once you turn a good one on there's nothing like them in my experience for sensitivity. Weak signals blast out especially on cw. The filtering is very effective and impressive. This is not the case if you have not replaced ALL bad components especially all paper caps and out of spec resistors!

Does anyone out there hve more info on the history of these rx's. I hve the

articles

from ER and old CQ's. Anyone knw where to get more information? Love these old REAL BAs!

Tnx Bob, AA8A

Mime-Version: 1.0

Date: Sun, 13 Sep 1998 21:45:39 -0700

Message-ID: <00163127.1914@svlima.sv.sc.philips.com>

From: Brian.Harris@sv.sc.philips.com (Brian Harris)

Subject: capacitor intrigue

To: Old Tube Radios <boatanchors@theporch.com>

Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit

Content-Description: cc:Mail note part

When is a capacitor not a capacitor?

My first step in restoring a GPR-90 this weekend was to disconnect all leads to the dual section p/s filter cap (except for the L between the two sections). Then came a variable regulated DC supply and a series limiting resistor. After stepping up the voltage from 10 Volts to 250 Volts, in 10 Volt increments, over a four hour period, both sections only had about 10 uA of leakage so figured it was duly reformed. Furthermore, when charged to 250 Volts, it took the two sections around 30 minutes to self-discharge to nearly 0 volts. This behavior made me think the capacitor was alright.

Later, after changing the 6V6 cathode bypass cap, checking a bunch of resistors, putting on the requisite 3-wire cord and rewiring the fuse to the hot side of the AC line, I applied power to the RX. After a few seconds of filament warmup the most GAWDAWFUL hum came through the R-47 speaker. A quick check of the B+ showed humongous ripple.

So, out came the capacitor and in went (using clip leads) a new one. Guess what? No hum. "What was up with the old capacitor?, I thought, scratching my head.

I couldn't use my Eico 950 to check the old one because it's on the fritz, so I grabbed my Heath CT-1, which told me the capacitor was good. Since I trust the CT-1 about as far as I can throw it, I next connected a precision 100K resistor across one of the 60 uF sections (it had the wrong value capacitor in it if you know it's supposed to be 40 uF) and put it across a 100 Volt supply. Removing the supply, I timed the discharge to 36 Volts, which took 8 seconds....rather close to the calculated RC of 6 seconds. A test of the second section yielded an RC of 7 seconds. It sure seems like this capacitor still believes it's a capacitor.

Not believing the results of my various tests, I reconnected the old capacitor to the GPR-90. Of course it still hummed. I thought about tuning the GPR-90 to Oral Roberts to see if the capacitor would heal itself but elected to do the easy thing and install the new capacitor.

Ok, capacitor-pros, what's going on here? Whomever gives me the best answer wins the dual section 60 uF NON-cap. In the meantime, I am going to back to the work bench.

73, Brian WA5UEK

Date: Sun, 13 Sep 1998 22:58:10 -0400 (EDT)
From: Paul Bernhardt <bern@ppdu.nrl.navy.mil>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: BA sites in San Antonio and Austin
Message-Id: <Pine.A32.3.91.980913225325.25164D-100000@ppdu.nrl.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Bob,

When I go to Austin, I call up Chuck Dachis and go over to his house to check out his Hallicrafters collection. He has been available in the morning for visits. You can look up his phone number and address in the Austin telephone directory.

Chuck Dachis has a stall in the Austin Antique Mart located at the old skating rink in Austin. I picked up an ART-13 low frequency oscillator there and he usually has some interesting BA items for sale. If you ask for "the discount" you can get 10% off the tagged price.

Finally, you will want to visit Radio Ranch in Austin. They always have neat radio stuff for sale. Radio Ranch is also listed in the Austin directory.

Cheers, Paul Bernhardt, KF4FOR

Work: P.A. Bernhardt	Home: Paul Bernhardt, KF4FOR
Code 6794	5704 Ridge View Dr.
Naval Research Laboratory	Alexandria, VA 22310
Washington, DC 20375	
Tel: 202-767-0196	703-960-9656
FAX: 202-767-0631	

On Sat, 12 Sep 1998 PLT1032@aol.com wrote:

> Can anyone direct me to Boatanchors in these areas? I am in the area for a
> week.

>
> Bob Lindgren
>
>

Message-ID: <35FC8B9F.A9E6A68E@vifp.monash.edu.au>
Date: Mon, 14 Sep 1998 13:21:04 +1000
From: Morris Odell <morriso@vifp.monash.edu.au>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: capacitor intrigue
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Brian Harris wrote:

> When is a capacitor not a capacitor?

<snip>

The cap might have excessive ESR (equivalent series resistance) at ripple frequencies even though it performs well at DC. This would reduce its ability to bypass ripple current and thus its filtering efficiency.

There are special gizmos around to measure ESR but I think you can test this with Heath style capacitor bridges by checking the power factor setting at null. I may be wrong on that point as I don't trust my Heath any further than I could throw it either :-)

73 de Morris VK3DOC

From: Jderm740@aol.com
Message-ID: <305a9e9a.35fc8da3@aol.com>
Date: Sun, 13 Sep 1998 23:29:39 EDT
To: Old Tube Radios <boatanchors@theporch.com>
Cc: kx4r@atl.mindspring.com
Mime-Version: 1.0
Subject: Re: 183D from Sams
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Greg

I looked through all my Sams Indexes and I don't find the 183D. 173 and 183 are in there and some of the earlier models but not the D.

You can get a manual from Hi Manuals, PO Box 802, Council Bluffs, Ia. 51502.
Costs about \$20.00.
I also have a D manual if you just need a Schematic I can make a copy for you.

Jack Jderm740@aol.com

Message-ID: <35FC92CA.80234FC3@txdirect.net>
Date: Sun, 13 Sep 1998 22:51:38 -0500
From: "William B. Ross" <billross@txdirect.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Can your rig measure up to 1929 gear?
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bobbie just about hit it on the head with her list. On the other hand, Ham gear was never meant to operate key down 100% for extended periods. Hams were always trying to get every ounce of power out of those 807s and they were never known for long life. Sure there were rigs built to CCS standards but they were not the norm. And SSB with its PEP ratings made things even worse with even Collins running 2KV on 811As. Just how long do you think a 30L1 would last runnings 100% out?

The whole point is that you can build such gear but the manufacturers could never get the price they would need for them and they won't.

Bill Ross K5LLK

Message-ID: <35FC9469.C261C180@txdirect.net>
Date: Sun, 13 Sep 1998 22:58:33 -0500
From: "William B. Ross" <billross@txdirect.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: capacitor intrigue
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Brian:

By reforming the cap you brought it up to its rated voltage potential but that has nothing to do with its capacity. This old capacitor, now working at 250 volts may only provide 2 to 5 Mfd to the circuit that wants 40 Mfd. It's old.

You did the right thing. Replaced it.

Bill Ross K5LLK

Date: Sun, 13 Sep 1998 21:05:08 -0700 (PDT)
From: John Kolb <jlkolb@cts.com>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Q re Collins F 85 Z 5 filter
Message-ID: <Pine.SCO.3.91.980913205830.17574A-100000@sd.cts.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 11 Sep 1998 Kargokult@aol.com wrote:

> years ago i picked up a couple filters from some old
> tube era frequency multiplexing equipment. i assume
> this is the system called "baseband" or something
> like that in telephony. the number after the frequency,

I don't have a listing for a F85Z-5, but Collins made a number of series of filters for channelized telephone links called "voice Multiplex sideband filters". These were on 4 kHz spacing and were all Lower sideband filters. These were for carrier freqs of 64, 68, 72, 76 ... 108 kHz. Typical of these was the F84Z-7, which was 2.90 kHz wide @ -1 db and 6.5 kHz @ -60.

John KK6IL

Message-Id: <3.0.5.16.19980913210341.28cf880c@istar.ca>
Date: Sun, 13 Sep 1998 21:03:41 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: Ralph Parker <rparker@istar.ca>
Subject: new BAs
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi gang: I dragged home a few rcvrs over the weekend -
(how come they FOLLOW you guys, and I have to DRAG them???)
I'd love to get manual copies for them:

1. National NC-183 NR (like a -183 but rack mounted, and a couple of extra knobs on the front, see the Osterman book). Octal tubes, so is like the single conversion '-183.

2. RME-50 rcvr with spkr

3. RME-6900 rcvr

Also got an RCA CR-91 (AR-88LF), but has a manual, if anyone needs it.

The NC-183 and CR-91 have dials with scales that have partly faded into obscurity, so if anyone knows where to get them re-done ...

Tnx, 73, Ralph, VE7XF

ps: tnx for the replies to the "alternative 6JB6" question.

Message-ID: <35FC9770.AADCEC98@idirect.com>
Date: Mon, 14 Sep 1998 00:11:28 -0400
From: Jerry Proc <jproc@idirect.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Can your rig measure up to 1929 gear?
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Doug Hall wrote:

> >My sand-state Kenwood 850, on the other hand, will run indefinitely
> with a brick on the key at 100w out, and generates less heat doing so
> than the Ranger does in standby.
>

Hi Doug,

You are right. That proves nothing.

My solid state Heathkit SB104 will not run with a brick on the key as the operating manual clearly defines a duty cycle. On CW, one minute of transmit should be followed by one minute of receive. I have operated this rig to the point where the RF amp heat sinks emit an odor which says "operate me any more and I will go into meltdown mode". I've actually felt the ambient temperature rise in the operating area.
So much for solid state.

Seeing that it is necessary to identify one's call letters at specific intervals (is it ten minutes?) any properly designed rig should be able to operate for at least that long and survive. AM rigs are even better as they must be able to tolerate long periods of continuous operation. Based on some of the conversations

that I've heard on 7290 KHz, AM rigs seem to survive hours of monologue operation without ill effect :-)

Regards,
Jerry Proc VE3FAB jproc@idirect.com
Web: www3.sympatico.ca/hrc/haida
HMCS HAIDA Naval Museum, Toronto Ontario

Date: Sun, 13 Sep 1998 21:40:11 -0700 (PDT)
From: John Kolb <jlkolb@cts.com>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Q re Collins F 85 Z 5 filter
Message-ID: <Pine.SCO.3.91.980913213105.18319B-100000@sd.cts.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 11 Sep 1998, Al Klase wrote:

> The "Z" filters are a series of SSB filters with separate units for
> upper and lower sideband. Z-5 filters, at least in the 455 and 500KHz
> freq's, are 2.7KHz LSB units. Z-4 is the equivalent USB filter. So,
> what you probably have is a 2.7KHz LSB filter for use with an 85KHz

While the Z part of Collins filter Type numbers indicates a SSB filter, meaning the filter freq is the suppressed carrier freq, off the edge of the filter, rather than the middle freq of the filter, as in a filter intended for AM or CW, One cannot determine LSB or USB by odd or even number. For example, F455Z-24C is LSB but F455Z-28F is USB.

The Voice Multiplex Sideband filters tend to have bandwidths from 2.90 to 3.20 kHz wide measured at the -1 db points, to give the wider bandwidth desired for standard telephone service rather than the 2.1 - 2.7 kHz @ -3 common for military or ham SSB.

John KK6IL

Message-Id: <v03007803b22257d4f000@[153.35.211.133]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 13 Sep 1998 21:25:22 -0800

To: Old Tube Radios <boatanchors@theporch.com>
From: Scott Robinson <spr@earthlink.net>
Subject: Re: capacitor intrigue

>Brian Harris wrote:

>

>> When is a capacitor not a capacitor?

>

><snip>

and Morris Odell wrote:

>The cap might have excessive ESR (equivalent series resistance) at ripple
>frequencies even though it performs well at DC. This would reduce its
>ability to

>bypass ripple current and thus its filtering efficiency.

>

>There are special gizmos around to measure ESR but I think you can test
>this with

>Heath style capacitor bridges by checking the power factor setting at
>null. I may be

>wrong on that point as I don't trust my Heath any further than I could
>throw it

>either :-)

>

I find that my Heath IT-11 RC bridge is a useful gauge of ESR. New electrolytics have dissipation factor percentages (this is what the dial is calibrated in) of about 1%. Useful used capacitators will be below 5%. Really rotten stuff reads 20% and above.

There is an easy way to spot high ESR filter caps without de-soldering anything. Fire the equipment up with the power supply loaded (receiver in receive mode, transmitter key down). Look at the waveform of the ripple with an oscilloscope. If it's a sqwtooth, the cap is good. If the sawtooth has spikes on the rising edges, you are seeing the effect of ESR and the capacitor is calling for retirement.

Happy sorting. If you are sorting a junk box of electrolytics, form them before doing the measurement.

Regards,

Scott Robinson
spr@earthlink.net

Junque is GOOD for you!

Message-Id: <199809140530.WAA17531@mail-gw5.pacbell.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: capacitor intrigue
Date: Sun, 13 Sep 1998 22:32:21 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hello Brian;

> When is a capacitor not a capacitor?

When it's a capistor. Meaning that it is now a capacitor with a high series resistance. Which comes about because the aluminum ribbon which connects the foil of a section to its positive terminal has corroded open. The high peak surge current which occurs while operating as a filter is what "fuses" the weak connection. The capacitor may still act like a cap at low currents (as with a 100 Kohm load) because of current flow through the corruption that exists where the aluminum ribbon used to be intact. Dissection of the capacitor will show this to be the case.

Please don't send me your bad cap. How 'bout a nice 6V6G (ST bulb).

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

From: "Jim Berry" <basalop@gte.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Can your rig measure up to 1929 gear?
Date: Sun, 13 Sep 1998 23:55:07 -0700
Message-ID: <001d01bddfacc\$9bb15120\$7544fdd0@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Doug said:

> My sand-state Kenwood 850, on the other hand, will run indefinitely
> with a brick on the key at 100w out, and generates less heat doing so
> than the Ranger does in standby.
>
> Doug, KF4KL

I hate to even talk about sandstate stuff on here, but have a buddy who left his Icom 751 keyed at 100 watts output for a week by accident. Didn't hurt the thing one bit. Needless to say his Astron power supply was a little on the warm side.

73 Jim

Message-ID: <35FCCEDD.A05BAF1@europa.com>
Date: Mon, 14 Sep 1998 01:07:57 -0700
From: Ron Hershey <rhershey@europa.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Radio Labs receiver
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I just picked up an odd little receiver this weekend and I was hoping the collective knowledge of this list could come with any info about it or even, possibly, a schematic.

The slide rule dial is marked Intervox, series 75 receiver, mfg by Radio Laboratories Inc., Seattle Wash. USA.

It's a four band set covering .26 to .60 MC, .55 to 1.5 MC, 1.4 to 3.7 MC, and 3.6 to 10 MC. The tube line consists of 25Z6GT, 25L6GT, 6SQ7GT, 6SK7GT (three each), and 6K8 (two each). Two of the tubes have cardboard shields with metal foil on the inside. It also has a 1646 KC plug-in crystal. It appears to be an AC set with a power transformer and choke underneath.

There doesn't appear to be any provision for a speaker except through the phone jack on the front panel.

The tube chassis is isolated from the frame by what looks like pieces of brown fiberglass or phenolic. Under the chassis all the mounting screws and solder joints have been painted with a brown paint of some type (looks like corona dope). At one time there must have been a couple of bias cells which have since been replaced by a Ni-Cad battery.

Above the chassis there are three IF and seven RF coil cans. The coils

all seem to be off-the-shelf units from Miller Coil. The if coils are marked 165-185 kc but I can't read the rf cans since they are packed tightly together.

Taken as a whole, this seems to be a rather odd-ball set.

Any further info would be greatly appreciated.

Ron Hershey

From: John_A_King@res.raytheon.com
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <8525667F.003EB5CC.00@ressud-as01.res.ray.com>
Date: Mon, 14 Sep 1998 07:31:21 -0400
Subject: Brick on the key rigs
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii

My vote for the best brick on the key rig would be the Viking I (not the Viking II with its puny 6146's.)

There was an ER article some time ago about a Viking I or II in broadcast service in South or Central America. And a buddy of mine just acquired a Valiant that came out of Central America with a 1500 Kc rock in it. Hmmm.....

73,

John King WA1ABI

Message-ID: <35FD18B1.2E2C@bellatlantic.net>
Date: Mon, 14 Sep 1998 08:22:57 -0500
From: Bill Riches <briches@bellatlantic.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: r-390@qth.net
Subject: FCC COMPLETE DATA BASE
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang - look at this address for full fcc callsign data base

[HTTP://gullfoss.fcc.gov:8080/cgi-bin/ws.exe/beta/genmen/index.htm](http://gullfoss.fcc.gov:8080/cgi-bin/ws.exe/beta/genmen/index.htm)

Regards,

Bill, WA2DVU
Cape May, NJ

Date: Mon, 14 Sep 1998 08:31:04 -0400
From: don merz <71333.144@compuserve.com>
Subject: Gear & Misc FS
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199809140833_MC2-5955-F88E@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Boatanchors and Related Stuff For Sale

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.
71333.144@compuserve.com

Military Type MP-28BA Power Supply made by Bendix Radio. This appears to be a combination power supply and modulator (using 2 807s). It has been heavily modified. I think the supply was a dynmotor unit but the dyno is gone, replaced with an AC transformer/rectifier setup. The modulator looks original as far as I can tell. With original gray paint and nomenclature tag. Restorable, I think. \$22 including shipping.

Military R-744A/PRR, Receiver Radio. This is a REALLY neat small radio designed to run on BA-418/U batteries (which fit into compartments in the rear) or vehicular 24VDC power supply. Covers 20-100mcs. AM, FM, CW. Uses pencil tubes. The cover for 1 battery compartment is missing. Many paint chips and dings. No modifications. Unworking. As-is. \$49

Heathkit UT-1 Power Supply. Used with Comanche/Cheyenne rig and works with lots of other Heath gear. Plastic Heathkit logo is missing. Paint is original and good with some light scratches. No modifications. Complete. Untested. \$59

Morrow Radio Model C "Selecto." Huh? Small accessory switchbox with one switch labeled Talk-Alert-Hold, a pilot light and terminal strip on the rear. New-In-Box. \$19 shipped.

Heathkit receive converters SBA-300-3 and SBA-300-4 2-meter and 6-meter receiver converted for the SB-301 and maybe others. With crystals, tubes and octal cable. Unmodified. Complete. Untested. \$49 shipped.

Ameco CN VHF receive converter. 2-meters I think. Control on front may not be original. \$12 shipped.

Hickok 288X signal generator. Classic HF boatanchor test gear. Needs cleaning but should end up looking pretty good. Untested. All original. Complete. \$15

Hallicrafters R-46B speaker. Lots of scratches but no holes. Flocking on speaker grille is good. As-is. \$26

LITERATURE

Sams CR1 and CR2 "Post-War Communications Receiver Manual." Covers about 60 radios including Collins 75A1 & 2, Hallicrafters S-38, 38B, 40, 40A, 40B, 41G, 42, 62, 71, 43, 53, etc, Hammarlund HQ-129X, SP-400, National HRO 7, HRO 50, NC-240, NC-173, NC-183, NC-125, etc., RME 45, 84, etc. plus a good selection of aircraft, marine and special purpose radios. The complete Sams Photofact for each radio is included. Near mint condition. Both volumes included. \$44 shipped

WANTED

Manual Copies Wanted
Hallicrafters S-16
Collins 75A2

Information wanted on military knife switch SA-13/U (order 4090-DAY-45-CN made by CAUC). BIG DPDT job. Where was this used?

CONTACT: Don Merz, 47 Hazel Drive, Pittsburgh, PA 15228
71333.144@compuserve.com

End of BOATANCHORS Digest 2215

>From ???@??? Tue Sep 15 03:25:19 1998
Message-Id: <199809150232.VAA19971@sco.theporch.com>
Date: Mon, 14 Sep 1998 21:31:13 CDT
Subject: BOATANCHORS digest 2216

BOATANCHORS Digest 2216

Topics covered in this issue include:

- 1) RE: Q re Collins F 85 Z 5 filter
by Ed Sieb <esieb@gmsiworld.com>
- 2) Gaithersburg items
by cswiger <cswiger@wilma.widomaker.com>
- 3) Tube Testers comparison
by Hans Zimmermann <Hans.Zimmermann@ties.itu.int>
- 4) Re: capacitor intrigue
by Henry van Cleef <vancleef@netcom.com>

- 5) Gonset Amp, GSB-201
by cswiger <cswiger@wilma.widomaker.com>
- 6) Re: FCC COMPLETE DATA BASE
by "Arden Allen" <gumbear@pacbell.net>
- 7) Gear & Misc FS/ MP-28BA
by Andre Guibert <aguibert@sympatico.ca>
- 8) Have Heath AT-1 Questions
by "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>
- 9) What is the latest Edition of Moore Rcvr Book?
by thompson@mindspring.com
- 10) RE: What is the latest Edition of Moore Rcvr Book?
by Ed Sieb <esieb@gmsiworld.com>
- 11) RE: What is the latest Edition of Moore Rcvr Book?
by Ed Sieb <esieb@gmsiworld.com>
- 12) Re: [R-390] FCC COMPLETE DATA BASE CORRECTION!
by Bill Riches <briches@bellatlantic.net>
- 13) Amperex 6977, WE 723A/B, etc
by "Katz, Gene S" <gene.s.katz@lmco.com>
- 14) Re: [R-390] FCC COMPLETE DATA BASE CORRECTION!
by "Eugene Rippen" <soundval@foothill.net>
- 15) FS or trade
by "Katz, Gene S" <gene.s.katz@lmco.com>
- 16) Re: Amperex 6977, WE 723A/B, etc
by William Donzelli <william@ans.net>
- 17) What is a BC-404-C
by "Robert P. Buehlmann" <w4tim@mindspring.com>
- 18) Re: What is a BC-404-C
by William Donzelli <william@ans.net>
- 19) Radio(tron) Designer's Handbook Update
by Garey Barrell <k4oah@mindspring.com>
- 20) TBY-8 color
by William Donzelli <william@ans.net>
- 21) BA items for sale
by WF2U <mbendror@villagenet.com>
- 22) Re: Radio(tron) Designer's Handbook Update
by "August H. Johnson" <kg7bz@whitemtns.com>
- 23) QST View, another question
by Jim Hill <jshillw6ivw@earthlink.net>

Message-ID: <01BDDFBF.B7521780@esieb.gmsiworld.com>
From: Ed Sieb <esieb@gmsiworld.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Q re Collins F 85 Z 5 filter
Date: Mon, 14 Sep 1998 09:11:47 -0400
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Yes, these "base-band" filters were used in FDM or Frequency Division =
Multiplex telephony transmission=20
"carrier" systems. Typical carriers systems used base-band frequencies =
from approximately 4 Khz all the way up to the MHz region in bands and =
sub-bands.

Most systems used SSB, though some used DSB. These filters were simply =
the side-band filters to filter the appropriate side-band. The output in =
this case, 85Khz, indicates the actual "carrier" frequency for that =
"channel".

If an appropriate "front-end" preamp can be placed ahead of the carrier =
systems receiver section, a suitable low-frequency receiver can be =
kluged together. If you've got an FDM system that operates at the 60Khz =
channel frequency, a suitably selective preamp with sufficient gain will =
allow you to receive WWVH. An FDM RX channel at 17.5Khz, will receive =
the Grimeton broadcasts (with the appropriate antenna and =
preselector/pre-amp).

These FDM units appear from time to time in the surplus market, and if =
any creative, imaginative hams acquire them, they can be put back into =
service providing multi-channel audio or data for the amateur service. =
Unfortunately, most typical hams (not us, of course) don't know or =
understand the value of these units and they get scrapped. They do have =
LOTS of tubes, though!

Ed, VA3ES

Date: Mon, 14 Sep 1998 09:39:20 -0400 (EDT)
From: cswiger <cswiger@wilma.widomaker.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Gaithersburg items
Message-ID: <Pine.BSF.3.96.980914093738.28356A-100000@wilma.widomaker.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

There seemed to be everything at the Gaithersburg fest 9/13:
(All prices were marked/asking, not final sale if any)

Knight Space Spanner - \$35
Three R-390's \$350/each
NC-46
HRO-5
Howard 430 \$195
Radiotron 4th ed \$70
National RCK \$300

BC-348 \$200
Well Gardener CWQ-46230 \$200
HRO-50R in rack with speaker and coil storage \$750
NC-300 \$150
Viking Ranger II \$250
HRO-60 demo, not for sale
DX-100 clean \$200
75A-4 w/ 1 filter \$1200
DX-40 \$45
Viking Ranger \$300
Kitchen sink \$25

I picked up an impedance bridge for a \$10 chump change project - NASA surplus and mainly interested in the 'green eye' tube.

Some of the AWA guys were there with great displays, including one walk thru mobile museum - indescribable.

Chuck
kb4new
cswiger@widomaker.com

Date: Mon, 14 Sep 1998 15:54:39 +0200 (MET DST)
Message-Id: <199809141354.PAA03952@ties.itu.ch>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Hans Zimmermann <Hans.Zimmermann@ties.itu.int>
Subject: Tube Testers comparison
Cc: Old Tube Radios <boatanchors@theporch.com>

Meir (and fellow BA'rites):

I primarily use a TV-2, but the I-117 and adaptor come in very handy whenever I get dubious results from the "big one" or when a tube does not fit its sockets or is not listed. This kind of problem might not occur with the TV-7, and my TV-2 might not be in perfect shape, but the I-117 is in any case worth its price for the handy size alone ! Only problem I encountered on the I-117: some of the sockets deteriorate with age, get as brittle as the wiring, and caused shorts/intermittent contact. Replacing the sockets cured that. On the BA list there was a discussion on the usefulness of tube testers in general a while ago - maybe someone archived it ?

Hans, HB9AQS

From: Henry van Cleef <vancleef@netcom.com>
Message-Id: <199809141357.GAA01130@netcom18.netcom.com>
Subject: Re: capacitor intrigue
To: Old Tube Radios <boatanchors@theporch.com>
Date: Mon, 14 Sep 1998 07:57:31 -0600 (MDT)
Cc: boatanchors@theporch.com
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

(On electrolytic that tests "good" with DC checks but doesn't cap in circuit).

Haven't got a detailed technical explanation for why the cap won't filter in the filter circuit. However, the symptom you describe (Cap leakage acceptable at working voltage, RC curve looks good, but cap is high impedance to AC) is fairly common. If hanging a new cap in the circuit shuts up the hum and ripple goes away on a scope, then just put the new cap in and toss the old one. I figure that since I am fixing the radio, rather than doing post-mortems for a cap manufacturer, my focus is on getting working caps into the circuit. I don't know what putting the old cap on a GR 650A bridge would show; probably wouldn't balance very well, but under these conditions, getting a good null on the bridge tends to be difficult, while hum that has vanished with a good cap hung across that point is not hard to interpret.

One of my checks is to scope these circuits and see if a 10 mike cap has an effect. If it has a significant effect, I just replace the old cap. Scope will show you a bad audio output tube cathode self-bias bypass cap very quickly.

--

=====
Hank van Cleef
=====

Date: Mon, 14 Sep 1998 10:04:49 -0400 (EDT)
From: cswiger <cswiger@wilma.widomaker.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Gonset Amp, GSB-201
Message-ID: <Pine.BSF.3.96.980914100324.1306A-100000@wilma.widomaker.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Some interesting facts from the Gonset GSB-201 Mk IV manual:

Addendum:

" Supplemental Instructions

The GSB-201 Mk IV Linear Amplifier differs from the GSB-201 Mk III in the following manner:

1. The p/s for the Mk IV is designed for both 110-220 volts
2. The built-in cooling fan is wired so that it is only operative when the amp is keyed and transmitting
3. The plate tuning control of the "PI" output network is roughly calibrated (to assist in tune up)
4. Provisions have been built in to measure the hv"

Mark III manual:

"Both the Mk II and Mk III include built in circuitry for either complete transceiver operation or separate receiver and transmitter operation."

Apparently the later versions came after Gonset became a division of Aerotron (Raleigh NC):

"The GSB-201 Mk II (3340A) and Mk III (3340B) Linear Amplifiers are a product of AEROTRON, since its acquisition of the GONSET product line. No Mk II or Mk III amps were shipped by the previous owners of GONSET (prior to January 1, 1968)"

Also, the original Gonset apparently published inflated specs:

"Some confusion has resulted from a 2000 watt rf rating of the original GSB-201 amplifier, employing the four 811A tubes. This rating was published prior to the acquisition of GONSET by AEROTRON, INC. While the original GSB-201 is capable of being loaded to the 1000 watts of DC input on SSB, laboratory tests indicate that the intermodulation distortion products are greater than any reasonably acceptable level. Despite the fact that the amplifier can be driven this hard, it is not recommended. It was for this reason that the Mk III version,

employing four type 572B tubes was introduced."

Chuck
kb4new
cswiger@widomaker.com

Message-Id: <199809141453.HAA05828@mail-gw3.pacbell.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: FCC COMPLETE DATA BASE
Date: Mon, 14 Sep 1998 07:55:39 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

A little repair work was needed to get Bill's URL to work. Use:

[HTTP://gullfoss.fcc.gov:8080/cgi-bin/ws.exe/beta/genmen/index.htm](http://gullfoss.fcc.gov:8080/cgi-bin/ws.exe/beta/genmen/index.htm)

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Date: Mon, 14 Sep 1998 11:00:36 -0400 (EDT)
Message-Id: <199809141500.LAA09381@smtp13.bellglobal.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Andre Guibert <aguibert@sympatico.ca>
Subject: Gear & Misc FS/ MP-28BA

>Date: Mon, 14 Sep 1998 08:31:04 -0400

>

> Military Type MP-28BA Power Supply made by Bendix Radio. This appears to
> be a combination power supply and modulator (using 2 807s). It has been
> heavily modified. I think the supply was a dynmotor unit but the dyno
> is gone, replaced with an AC transformer/rectifier setup. The modulator
> looks original as far as I can tell. With original gray paint and
> nomenclature tag. Restorable, I think. \$22 including shipping.

Bonjour to Don and All

This is a quite a rare boatanchor in the original state,
its the TA-12(Bendix) P/S-Modulator.

Will have two J/B's c/w cables/connectors for the TA-12/
RA10DB/Remote cont. boxes as used in the Lancaster/
Mosquito(Canadians), for sale in the near future.

Andre

Message-ID: <21B46CBD022AD1118F0500805F15A068A802DD@STPMSX05.stp.guidant.com>
From: "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Have Heath AT-1 Questions
Date: Mon, 14 Sep 1998 10:17:55 -0500
MIME-Version: 1.0
Content-Type: text/plain

Hi, I recently picked up a Heath AT-1 transmitter and VF-1 vfo. I would like to chat about it with someone very familiar with the AT-1. There is a mod under the chassis in the oscillator section that I would like to talk about and I have a few other AT-1 questions. My intent is to make it as original as possible. It is a cool looking novice transmitter with the Collins style knobs (earlier AT-1 version). Thanks,

73,

Scott WA9WFA in Saint Paul Minn

From: thompson@mindspring.com
Message-ID: <000501bddff3\$dc1bd360\$639645cf@default>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: What is the latest Edition of Moore Rcvr Book?
Date: Mon, 14 Sep 1998 11:25:08 -0400

I have the 4th Edition of the Moore Rcvr Book (1997). Is this the latest?

Dave K4JRB

Message-ID: <01BDDFD3.C3403360@esieb.gmsiworld.com>
From: Ed Sieb <esieb@gmsiworld.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: What is the latest Edition of Moore Rcvr Book?
Date: Mon, 14 Sep 1998 11:35:20 -0400
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

On Monday, September 14, 1998 11:25 AM, Dave K4JRB

Wrote:

> I have the 4th Edition of the Moore Rcvr Book (1997). Is this the latest?
Yes.

Ed, VA3ES

Message-ID: <01BDDFD4.968B1500@esieb.gmsiworld.com>
From: Ed Sieb <esieb@gmsiworld.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: What is the latest Edition of Moore Rcvr Book?
Date: Mon, 14 Sep 1998 11:41:16 -0400
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Oooooops...

In my haste to answer your question, inadvertently thought you meant =
the Osterman book. Sorry.
None-the-less, I think that the most current edition of the MOORE book =
is #4. And, I understand that a new edition (1998) of the Moore book =
is imminent.

Sorry about the confusion.

-----Original Message-----

From: thompson@mindspring.com [SMTP:thompson@mindspring.com]
Sent: Monday, September 14, 1998 11:25 AM
To: Old Tube Radios
Subject: What is the latest Edition of Moore Rcvr Book?

I have the 4th Edition of the Moore Rcvr Book (1997). Is this the =
latest?

Dave K4JRB

Message-ID: <35FD4D3F.6F3D@bellatlantic.net>
Date: Mon, 14 Sep 1998 12:07:11 -0500
From: Bill Riches <briches@bellatlantic.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: r-390@qth.net
Subject: Re: [R-390] FCC COMPLETE DATA BASE CORRECTION!
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill Riches wrote:

>
> Hi Gang - look at this CORRECTED address for full fcc callsign data base
>
> HTTP://gullfoss.fcc.gov:8080/cgi-bin/ws.exe/beta/genmen/index.htm

>
Thanks to Arden for the correction (additional / after HTTP:)

> Regards,
>
> Bill, WA2DVU
> Cape May, NJ
>
> ---
> Submissions r-390@qth.net

Content-return: allowed
Date: Mon, 14 Sep 1998 09:48:13 -0400
From: "Katz, Gene S" <gene.s.katz@lmco.com>
Subject: Amperex 6977, WE 723A/B, etc
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <D977A62BE8F4D111B31E0000F8081AD0841318@emss04m16.ems.lmco.com>
MIME-version: 1.0
Content-type: text/plain

Greetings:

Can anyone tell me what the Amperex 6977 is and where it was used? Ditto for the WE 723A/B, possible klystron from early SCR radar.

How about a 1942 CRC 954 (RCA)? Where used, what for, scarcity of these 3 types?

Anybody need Westinghouse Aviation miniature bulbs No.327? From avionics or radio/radar? I inherited a few boxes of 'em.

Can I get filament voltages for: 6923, EA53, 2-01C: these are for a BA disadvantaged ham.

TNX 73 de Gene KC6BLD

Gene S. Katz

Senior Member Engineering Staff

Lockheed Martin Government Electronic Systems

Bldg 108-136, PO Box 1027

199 Borton Landing Road

Moorestown, NJ 08057-0927

(609)722-3035 ph

(609)722-2310 fax

gene.s.katz@lmco.com

Message-ID: <013201bde00a\$638e3200\$93714dd1@soundval.foothill.net>

From: "Eugene Rippen" <soundval@foothill.net>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: <r-390@qth.net>
Subject: Re: [R-390] FCC COMPLETE DATA BASE CORRECTION!
Date: Mon, 14 Sep 1998 11:06:24 -0700
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Is there any projection as to when this site will be operational?
It is obviously in the midst of being set up right now.
Looks like it might be very good, if ever finished.

Gene

-----Original Message-----

From: Bill Riches <briches@bellatlantic.net>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: r-390@qth.net <r-390@qth.net>
Date: Monday, September 14, 1998 9:12 AM
Subject: Re: [R-390] FCC COMPLETE DATA BASE CORRECTION!

>Bill Riches wrote:

>>
>> Hi Gang - look at this CORRECTED address for full fcc callsign data base
>>
>> [HTTP://gullfoss.fcc.gov:8080/cgi-bin/ws.exe/beta/genmen/index.htm](http://gullfoss.fcc.gov:8080/cgi-bin/ws.exe/beta/genmen/index.htm)
>>
>Thanks to Arden for the correction (additional / after HTTP:)
>
>> Regards,
>>
>> Bill, WA2DVU
>> Cape May, NJ
>>
>> ---
>> Submissions r-390@qth.net
>
>

Content-return: allowed
Date: Mon, 14 Sep 1998 11:54:50 -0400
From: "Katz, Gene S" <gene.s.katz@lmco.com>
Subject: FS or trade
To: Old Tube Radios <boatanchors@theporch.com>

Message-id: <D977A62BE8F4D111B31E0000F8081AD084131B@emss04m16.ems.lmco.com>
MIME-version: 1.0
Content-type: text/plain

Following tubes, almost all in box, either NOS or NIB (I don't know the weasel worded difference!):

2D21	6AK5	6SC7
6SQ7	6C4	
6SF5		
6J6		Amperite 6-4, 3-14
ballasts	6SA7	
5755		5670
6SN7		
6X4W		3A5
7F8		
6AV6		6CB6
7B7		
UHF diode for HP410/3 VTVM	5963	7W7
12BY7		5W4
7H7		
7AF7		3A5
EF184		EF183
6BQ7A		ECF801
6BH6		6977
6BD6		
6AG5		
6AV6		
6SU7GT		

Most boxed as I say, most are JAN, MIL, USN. Some labeled AN/APS-4 spares, e.g. 6J6. Some by Wells Gardner, RCA, Zenith, WE, National Union, TungSol, Amperex, Raytheon, Westinghouse, Sylvania, Stromberg Carlson. Some spares from AN/DRW-4 Rcvr. I am not in the tube business, really want to dispose of these critters as a lot or two. Will trade for 20s or 30s radio mags. Or whatever.

73 de Gene KC6BLD

1
Gene S. Katz
Senior Member Engineering Staff
Lockheed Martin Government Electronic Systems
Bldg 108-136, PO Box 1027
199 Borton Landing Road
Moorestown, NJ 08057-0927

(609)722-3035 ph

(609)722-2310 fax
gene.s.katz@lmco.com

Date: Mon, 14 Sep 1998 14:27:35 -0400 (EDT)
From: William Donzelli <william@ans.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Amperex 6977, WE 723A/B, etc
Message-Id: <Pine.GS0.3.96.980914142300.22147a-1000000@titan.purch.ans.net>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> Ditto for
> the WE 723A/B, possible klystron from early SCR radar.

Klystron, X-band I think, used in loads of different mid-1940s radars.

> How about a 1942 CRC 954 (RCA)? Where used, what for, scarcity of these 3
> types?

This is an acorn tube. I can not remember which one the 954 is, but acorns (954 thru 958, others) were used in all sorts of Navy equipment during World War two - TBS, TBY, YE, ZB - anyplace where small signal amplification was needed in the upper VHF thru lower UHF range.

These two tubes are quite common, although acorns are drying up slightly.

William Donzelli
william@ans.net

Date: Mon, 14 Sep 1998 14:57:24 -0400 (EDT)
Message-Id: <1.5.4.16.19980914150854.3f2f5ee8@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: "Robert P. Buehlmann" <w4tim@mindspring.com>
Subject: What is a BC-404-C

Firebottle Fans,

Does anyone out there have any info on a BC-404-C i:e what it was used for and a inkling on its current value.

73/ZUT de Tim W4TIM

Date: Mon, 14 Sep 1998 15:27:23 -0400 (EDT)
From: William Donzelli <william@ans.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: What is a BC-404-C
Message-Id: <Pine.GS0.3.96.980914150604.22147c-100000@titan.purch.ans.net>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> Does anyone out there have any info on a BC-404-C i:e what it was
> used for and a inkling on its current value.

This is one of the receivers for a late production SCR-270 (or 271) radar. Generally these things were tuned right around 210 MHz, the operating frequency of the set (note that this is a VHF radar! Microwave radars were just coming out when the later SCR-270s were being deployed). It is a pretty crude design, but it did the job. Early ones (along with the similar receiver for the SCR-268) had some "interesting" circuits, like an 832A used in the front_end of the receiver to take the big bang from the transmitter, before the duplexors/TR switches were added. Other early types used the 1630 Orbital Beam Tetrode, certainly one of the worst tubes ever made.

Value? Its a bit of an uncommon piece (although they do surface from time to time), but not very useful. I would say \$50 for one in average/decent condition.

Now if you could find the other parts of the SCR-270, or maybe an early model BC-404, that would be a different story (at least to us radar nuts).

William Donzelli
william@ans.net

Message-Id: <3.0.1.32.19980914154127.00698aac@pop.mindspring.com>
Date: Mon, 14 Sep 1998 15:41:27 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Garey Barrell <k4oah@mindspring.com>
Subject: Radio(tron) Designer's Handbook Update
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Went by Tech America today to see if these have come in yet. Nope!

So I called their 800 # and got the following information.

Apparently this book has been back-ordered from Newnes Publishing with an

expected delivery of November 13.

Their phone sales person "checked" and assured me that if I order now (or before the "sale" ending date of September 30) that the book will be shipped as soon as it arrives.

Again, catalog 920-2529 _APPEARS_ to be a reprint of the 4th edition of the above by F. Lankford Smith. 1,498 pages, exactly the same as my "Red Cover" edition. Regular price is \$66.95, sale price (through September 30) \$46.86. No indication if this is a hard cover or soft cover edition.

No warranty expressed or implied. No connection of any kind with Tech America.

(This is not only "legally accurate" but also the truth as I know it.)

73,

Garey - K40AH
k4oah@mindspring.com
Atlanta

Date: Mon, 14 Sep 1998 16:44:49 -0400 (EDT)
From: William Donzelli <william@ans.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: TBY-8 color
Message-Id: <Pine.GS0.3.96.980914164214.22147i-100000@titan.purch.ans.net>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I just purchased a nearly complete TBY-8 setup, and am surprised that the paint is OD, not the Marine green commonly found on TBXs and TBYS. It is definitely a factory paint job.

Does anyone else have a stock OD TBY-8? By the time the -8s were made, had the Navy figured out they ought to use OD?

William Donzelli
william@ans.net

Message-Id: <199809150052.UAA03677@vnet.villagenet.com>
Date: Mon, 14 Sep 1998 21:02:16 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: WF2U <mbendror@villagenet.com>
Subject: BA items for sale
Mime-Version: 1.0

Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Greetings to my fellow hollow staters.

Due to some heavy-duty shack and storage area reorganization I found the following items that are surplus to my needs so its time to recycle:

1. Collins 75A2 receiver project : clean mechanically, former owner made a mess of the wiring when removed function switch for replacement. Radio works when appropriate wires are manually shorted. I don't have the time in the foreseeable future to deal with it. No cabinet. Manual. \$200.
2. USN RBC-4 receiver (4 to 27 MHz) and its CRV-20130 power supply, (both late model, battleship gray), no power cable. Both work fine. Power connector on the receiver is not original. Manual copy. \$125.
3. Heathkit DX-100 transmitter, works OK in both AM and CW on all bands. Case is repainted in gray, (but not the original Heathkit paint). \$125.
4. Heathkit Single Banders : HW-12 (80M), HW-22 (40M), HW-32 (20M). Power supplies: (1 ea.) HP-13 12VDC and HP-23 AC supplies. All working. Manuals. Package deal for all the above: \$145. Would really prefer to sell all 5 items together (but talk to me)
....
5. EIMAC 8877/3CX1500 tube, brand new, never used. (Box opened for inspection). \$375.
6. Central Electronics Sideband Slicer/Multiphase Q-multiplier Model B, with the IF buffer stage. Working. Manual. \$85.

Add shipping charges to all the above items - CONUS (packed gorilla-proof) from ZIP 11722 or pick up.

(BTW I never had any problems with UPS shipping or receiving boatanchor items provided the stuff is properly and sensibly packed...)

Thanks,

73's from†† Meir, WF2U

Collector and user of† vintage amateur and military radio equipment.
Collector and user of vintage horse/cavalry equipment. "Boots and Saddles!"

"Boatanchors forever!"

E-mail address: mbendrор@villagenet.com

Message-ID: <35FDBDA8.334D@whitemtns.com>
Date: Mon, 14 Sep 1998 18:06:48 -0700
From: "August H. Johnson" <kg7bz@whitemtns.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Radio(tron) Designer's Handbook Update
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Garey Barrell wrote:

>

> Went by Tech America today to see if these have come in yet. Nope!

>

I notice that Antique Electronic Supply has this on their web page
<http://www.tubesandmore.com> also. Price is \$66.95, don't know if they
actually have them in stock.

August

--

August Johnson KG7BZ AMI 733 <http://www.whitemtns.com/~kg7bz>
P.O. Box 1987 <mailto:kg7bz@whitemtns.com>
Lakeside, AZ 85929-1987

Message-Id: <3.0.5.32.19980914191806.013dbb40@earthlink.net>
Date: Mon, 14 Sep 1998 19:18:06 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: Jim Hill <jshillw6ivw@earthlink.net>
Subject: QST View, another question
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks to those who answered my 9/11/98 questions. Still have not resolved
my lockup when using Help. It works ok with my daughters computer which
uses Windows 98, but not mine, which uses Windows 97. I sent an e-mail to
the ARRL; maybe they have some suggestions.

My next question involves searching for a subject, like receivers. My
January, 1930 issue of QST has two articles on receivers, one called The
A.C. High Frequency Receiver by Dudley on page 9, and the other called An
A.C. Receiver by Grogan on page 82. The second article is part of the

Experimenters Section. I entered *receiver* in the article section, and the year and month in the appropriate sections.

The left window indicated two articles were found. I was able to view the page 82 article, but how to I view the page 9 article? It looks like I need a "find again" capability. I could bring up the page 9 article by specifically listing it by title, but have not figured out how to search and view multiple instances of a specified subject.

The similarity in titles doesn't seem to be the problem, I have had the same difficulty with other searches.

Help, anyone?
73's Jim

End of BOATANCHORS Digest 2216
